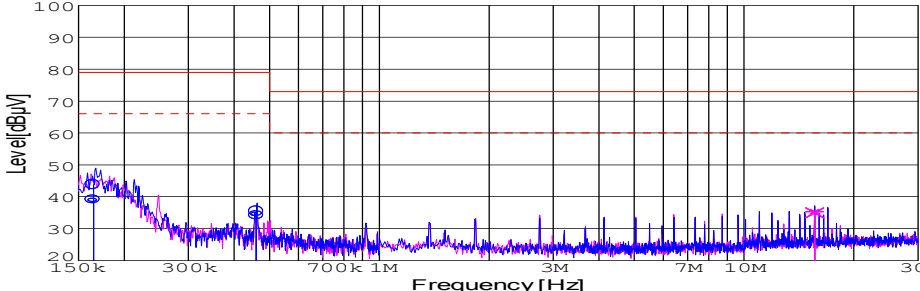
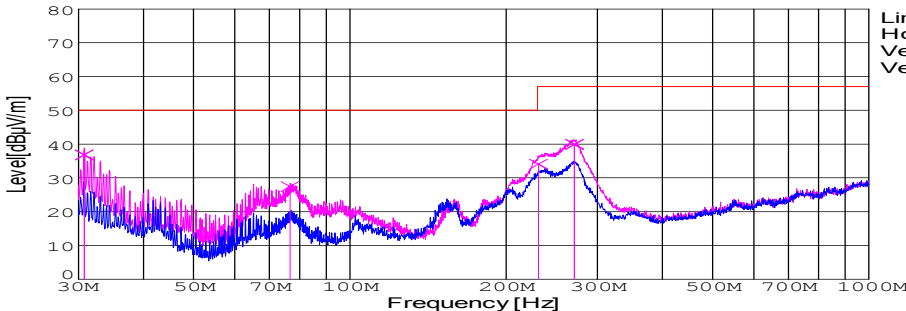


DATA SHEET							Date	04-Oct-07																																																									
Model	SFS304812						Temp.	25 degreeC																																																									
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																																									
							Tested by	Y.Miyawaki																																																									
LINE CONDUCTION																																																																	
Model Name : SFS304812			Temp. : 25degreeC																																																														
Model No. :			Humi. : 45%																																																														
Serial No. :			Date : 2007/10/4 20:27																																																														
Points : 3			Test Equip. : R3132,ESPC																																																														
Detector : PEAK/QP/Ave.			Load Line : 100mm																																																														
Line Mode : VA/VB			Comment : Vo = 12.0V , Io = 2.5A																																																														
Power Supply : DC 48V																																																																	
Limit1: [CISPR Pub11] Class A Gr.1(QP)																																																																	
Limit2: [CISPR Pub11] Class A Gr.1(Ave.)																																																																	
							<div>Limit1(QP)</div> <div>Limit2(Ave.)</div> <div>VA(PEAK)</div> <div>VB(PEAK)</div> <div>VA(QP)</div> <div>VA(Ave.)</div> <div>VB(QP)</div> <div>VB(Ave.)</div>																																																										
<table><tr><th>Frequency [MHz]</th><th>Meter Reading (Ave.) [dBuV]</th><th>Meter Reading (QP) [dBuV]</th><th>Factor [dB]</th><th>Level(Ave.) [dBuV]</th><th>Level(QP) [dBuV]</th><th>Line</th><th>Limit(Ave.) [dBuV]</th><th>Limit(QP) [dBuV]</th><th>Margin(Ave.) [dB]</th><th>Margin(QP) [dB]</th></tr><tr><td>0.1648</td><td>29.2</td><td>33.9</td><td>9.8</td><td>39</td><td>43.7</td><td>VA</td><td>66</td><td>79</td><td>27</td><td>35.3</td></tr><tr><td>0.46</td><td>24.3</td><td>25.5</td><td>9.9</td><td>34.2</td><td>35.4</td><td>VA</td><td>66</td><td>79</td><td>31.8</td><td>43.6</td></tr><tr><td>15.6028</td><td>25.1</td><td>24.7</td><td>10.2</td><td>35.3</td><td>34.9</td><td>VB</td><td>60</td><td>73</td><td>24.7</td><td>38.1</td></tr></table>											Frequency [MHz]	Meter Reading (Ave.) [dBuV]	Meter Reading (QP) [dBuV]	Factor [dB]	Level(Ave.) [dBuV]	Level(QP) [dBuV]	Line	Limit(Ave.) [dBuV]	Limit(QP) [dBuV]	Margin(Ave.) [dB]	Margin(QP) [dB]	0.1648	29.2	33.9	9.8	39	43.7	VA	66	79	27	35.3	0.46	24.3	25.5	9.9	34.2	35.4	VA	66	79	31.8	43.6	15.6028	25.1	24.7	10.2	35.3	34.9	VB	60	73	24.7	38.1											
Frequency [MHz]	Meter Reading (Ave.) [dBuV]	Meter Reading (QP) [dBuV]	Factor [dB]	Level(Ave.) [dBuV]	Level(QP) [dBuV]	Line	Limit(Ave.) [dBuV]	Limit(QP) [dBuV]	Margin(Ave.) [dB]	Margin(QP) [dB]																																																							
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RADIATED EMISSION																																																																	
Model Name : SFS304812			Temp. : 25degreeC																																																														
Model No. :			Humi. : 45%																																																														
Serial No. :			Date : 2007/10/4 20:51																																																														
Points : 4			Test Equip. : R3132,ESPC																																																														
Detector : PEAK/QP			Load Line : 100mm																																																														
Polarization : Vertical			Comment : Vo = 12.0V , Io = 2.5A																																																														
Power Supply : DC 48V																																																																	
Limit: [CISPR 11] Class A Group 1<3m>																																																																	
							<div>Limit(QP)</div> <div>Horizontal(PEAK)</div> <div>Vertical(PEAK)</div> <div>Vertical(QP)</div>																																																										
<table><tr><th>Frequency [MHz]</th><th>MeterReading (QP) [dBuV]</th><th>Ant. Type</th><th>Antenna Factor [dB/m]</th><th>Cable &amp; Preamp [dB]</th><th>Level(QP) [dBuV/m]</th><th>Angle [°]</th><th>Height [cm]</th><th>Polar.</th><th>Limit [dBuV/m]</th><th>Margin [dB]</th></tr><tr><td>30.766</td><td>51.3</td><td>BL</td><td>17.8</td><td>-32.3</td><td>36.8</td><td>113</td><td>106</td><td>Vert.</td><td>50</td><td>13.2</td></tr><tr><td>76.678</td><td>52.7</td><td>BL</td><td>6.6</td><td>-31.9</td><td>27.4</td><td>355</td><td>136</td><td>Vert.</td><td>50</td><td>22.6</td></tr><tr><td>270.8</td><td>58.4</td><td>BL</td><td>12.5</td><td>-31</td><td>39.9</td><td>213</td><td>111</td><td>Vert.</td><td>57</td><td>17.1</td></tr><tr><td>230.909</td><td>55.4</td><td>BL</td><td>9.9</td><td>-31.2</td><td>34.1</td><td>186</td><td>111</td><td>Vert.</td><td>57</td><td>22.9</td></tr></table>											Frequency [MHz]	MeterReading (QP) [dBuV]	Ant. Type	Antenna Factor [dB/m]	Cable & Preamp [dB]	Level(QP) [dBuV/m]	Angle [°]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	30.766	51.3	BL	17.8	-32.3	36.8	113	106	Vert.	50	13.2	76.678	52.7	BL	6.6	-31.9	27.4	355	136	Vert.	50	22.6	270.8	58.4	BL	12.5	-31	39.9	213	111	Vert.	57	17.1	230.909	55.4	BL	9.9	-31.2	34.1	186	111	Vert.	57	22.9
Frequency [MHz]	MeterReading (QP) [dBuV]	Ant. Type	Antenna Factor [dB/m]	Cable & Preamp [dB]	Level(QP) [dBuV/m]	Angle [°]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]																																																							
30.766	51.3	BL	17.8	-32.3	36.8	113	106	Vert.	50	13.2																																																							
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DATA SHEET		Date	04-Oct-07
Model	SFS304812	Temp.	25 degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	Y.Miyawaki

## 1.Conditions

### (1)Photograph of Test Set-Up

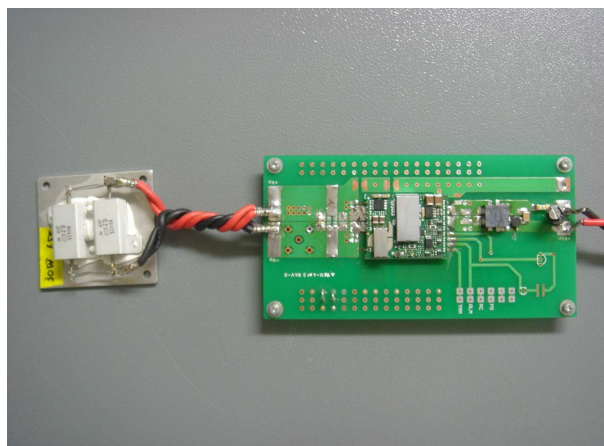
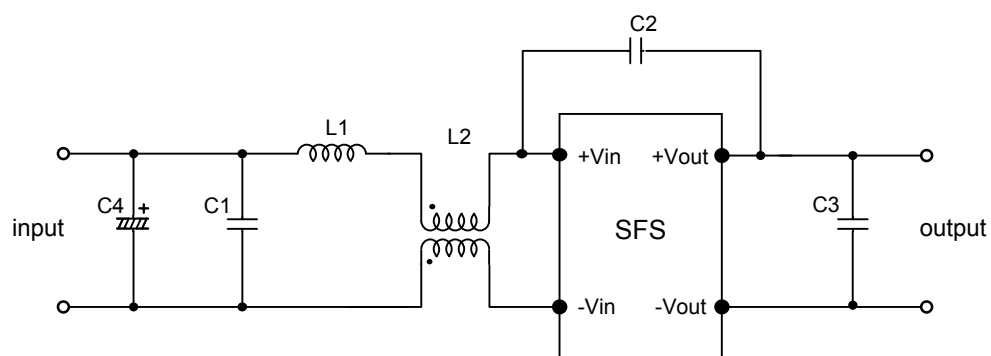


Fig1. Photograph of Test Set-Up

### (2)Testing circuitry



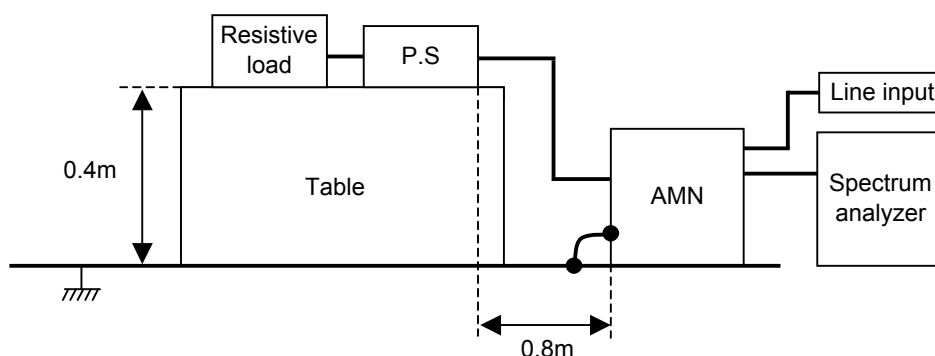
C1: 1 $\mu$ F 100V Ceramic capacitor  
 C2: 2200pF 630V Ceramic capacitor  
 C3: 0.1 $\mu$ F 50V Ceramic capacitor  
 C4: 22 $\mu$ F 100V Electric capacitor

L1: 1 $\mu$ H 2.4A Inductor  
 L2: ACM1211-102-2PL : TDK

Fig2. Testing circuitry

DATA SHEET		Date	04-Oct-07
Model	Circuit used for measurement	Temp.	25 degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	Y.Miyawaki

## 1. Line conduction



## 2. Radiated emission

